

- The highest concentration of transverse cracking for this interval is 20% and consists of light severity cracking at I-440-15.
- US-64 sections show no transverse cracking.

3.5.7. Corner Break

3.5.7.1. Definition of Distress

For the NCDOT survey process corner breaks occur when a portion of the slab is separated by a crack which intersects the adjacent transverse and longitudinal joints, at an approximately 45° angle. The length of the sides of the break ranges from 1 ft. to 1/2 the width of the slab, on each side of the corner. This distress is rated by counting the number of slabs along the survey distance exhibiting one of four different severity levels; none, light, moderate and severe. The rating levels are:

Light: Crack well sealed or hairline, no faulting or spalling, no break-up.

Moderate: Crack spalled at low to moderate severity, faulting less than 0.50 in, no pieces broken.

Severe: Crack spalled at moderate to severe severity, faulting greater than 0.50 in, broken into two or more pieces.

3.5.7.2. Data Processing and Results

The corner break results are shown in Figure 3.70 through Figure 3.73 by severity level. For consistent comparisons results are presented based on percentage instead of number of slabs.

